



FLAVORS

22PFL6403D/12

32PFL6403D/12

42PFL6403D/12

Register your product and get support at
www.philips.com/flavors

EN **User Manual**

IT **Manuale D'uso**

PHILIPS



Österreich	0810 000205	€0.07 pro Minute
België/Belgique	078250145	€0.06 Per minuut/Par minute
България	+3592 489 99 96	Местен разговор
Hrvatska	01 3033 754	Lokalni poziv
Česká republika	800142840	Bezplatný hovor
Danmark	3525 8759	Lokalt opkald
Suomi	09 2311 3415	paikallispuhelu
France	0821 611655	€0.09 Par minute
Deutschland	01803 386 852	€0.09 pro Minute
Ελλάδα	0 0800 3122 1280	Κλήση χωρίς χρέωση
Magyarország	0680018189	Ingyenes hívás
Ireland	0800 055 6882	Free call
Italia	848390207	€0.08 Al minuto
Luxemburg/ Luxembourg	40 6661 5644	Ortsgespräch/ Appel local
Nederland	0900 8407	€0.10 Per minuut
Norge	2270 8111	Lokalsamtale
Polska	0223491504	połączenie lokalne
Portugal	2 1359 1442	Chamada local
România	1-203-2060	Apel local
Россия	(495) 961-1111	Местный звонок
Србија	+381 114 440 841	Lokalni poziv
Slovensko	0800 004537	Bezplatný hovor
Slovenija	01 280 95 22	lokalni klic
España	902 888 784	€0.10 Por minuto
Sverige	08 5792 9100	Lokalsamtal
Suisse/Schweiz/ Svizzera	0844 800 544	Appel local/Ortsgespräch/ Chiamata locale
Türkiye	0800 261 3302	Şehiriçi arama
United Kingdom	0870 900 9070	Local call
Україна	044 254 2392	Місцевий виклик

This information is correct at the time of press. For updated contact information, refer to www.philips.com/flavors.

Contents

1 Notice	2
-----------------	---

2 Important	4
--------------------	---

3 Your Flavors TV	6
TV overview	6

4 Use your Flavors TV	8
Switch the TV on, off or to standby	8
Switch channels	8
Watch connected devices	8
Adjust TV volume	9
Use teletext	9

5 Use more of your Flavors TV	10
Access TV menus	10
Apply menu themes	11
Adjust picture and sound settings	12
Use advanced teletext features	14
Create and use lists of favorite channels	16
Use the Electronic Program Guide	17
Use timers	18
Use child control and rating locks	19
Use subtitles	20
Display the TV clock	20
View photos and play music from a USB storage device	21
Listen to digital radio channels	22
Update the TV software	23
Change the TV location	23
Start a TV demo	23
Reset the TV to factory settings	23

6 Install channels	24
Automatically install channels	24
Manually install channels	25
Rename channels	26
Uninstall or reinstall channels	26
Rearrange channels	26
Manually update the channel list	26
Test digital reception	27

7 Connect devices	28
Bottom connectors	28
Side connectors	30
Connect a computer	31
Use a Conditional Access Module	31
Assign devices	32
Use Philips EasyLink	33
Connect a Kensington lock	33

8 Product information	34
Supported display resolutions	34
Tuner/Reception/Transmission	34
Multimedia	34
Remote control	34
Power	34
Supported wall mounts	34

9 Troubleshooting	35
General TV issues	35
TV channel issues	35
Picture issues	35
Sound issues	36
HDMI connection issues	36
USB connection issues	36
Computer connection issues	37
Contact us	37

10 Index	38
-----------------	----

1 Notice

2008 © Koninklijke Philips Electronics N.V. All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners. Philips reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly. The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. Philips warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

Warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Support for service or repairs.



- Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorised in this manual shall void the warranty.

Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of

light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Open source software

This television contains open source software. Philips hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code on a medium customarily used for software interchange. This offer is valid for a period of 3 years after the date of purchase of this product. To obtain the source code, write to:

Development Manager
Technology & Development
Philips Consumer Lifestyle
620A Lorong 1, Toa Payoh
TP1, Level 3
Singapore 319762

Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

Mains fuse (UK only)

This TV is fitted with an approved moulded plug. Should it become necessary to replace

the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug (example 10A).

- 1 Remove fuse cover and fuse.
- 2 The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.
- 3 Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cordcable.

Copyright



VESA, FDMI and the VESA Mounting Compliant logo are trademarks of the Video Electronics Standards Association.



Manufactured under licence from Dolby Laboratories. 'Dolby', 'Pro Logic' and the double D symbol  are trademarks of Dolby Laboratories.



Manufactured under licence from BBE Sound, Inc. Licensed by BBE, Inc under one or more of the following US patents: 5510752, 5736897. BBE and BBE symbol are registered trademarks of BBE Sound Inc.

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

© Kensington and Micro Saver are registered US trademarks of ACCO World corporation with issued registrations and pending applications in other countries throughout the world.

All other registered and unregistered trademarks are the property of their respective owners.

2 Important

Read and understand all instructions before you use your TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Safety

- Risk of electric shock or fire!
 - Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Customer Support to have the TV checked before use.
 - Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight.
 - To prevent the spread of fire, keep candles or other flames away from this product at all times.
- 
- Never insert objects into the ventilation slots or other openings on the TV.
 - When the TV is swiveled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
- Risk of short circuit or fire!
 - Never expose the remote control or batteries to rain, water or excessive heat.
 - Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.
- Risk of injury or damage to the TV!
 - Two people are required to lift and carry a TV that weighs more than 55 lbs.
 - If you stand mount the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the weight of the TV and stand.
 - The TV must be mounted on a wall bracket designed for this TV, and on a wall that can safely hold the weight of the TV. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that results in accident or injury.
 - Risk of overheating! Never install the TV in a confined space such as a bookcase. Always leave a space of at least four inches around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.
 - Risk of injury, fire or power cord damage! Never place the TV or any objects on the power cord.
 - Disconnect the TV from the power outlet and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.
 - Risk of hearing damage! Avoid using earphones or headphones at high volumes or for prolonged periods of time.
 - Never allow children to climb on or play with the TV.
 - Place the TV where it cannot be pushed, pulled over or knocked down.
 - If the TV is transported in temperatures below 5°C:
 - 1** Remove the TV from the box.
 - 2** Wait until the TV temperature matches the room temperature.
 - 3** Install the TV.

Screen care

- Avoid stationary images as much as possible. Stationary images are images that remain on-screen for extended periods of time. Examples include: on-screen menus, black bars and time displays. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- To avoid deformations and color fading, wipe off water drops as soon as possible.

- Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.
- Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

Recycling

- Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
- When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:



- Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

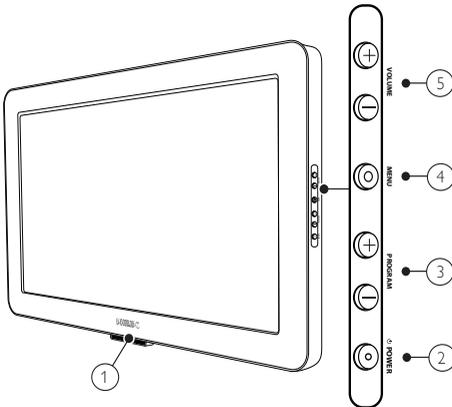
3 Your Flavors TV

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/flavors.

TV overview

This section gives you an overview of commonly used TV controls and functions.

Side controls and indicators

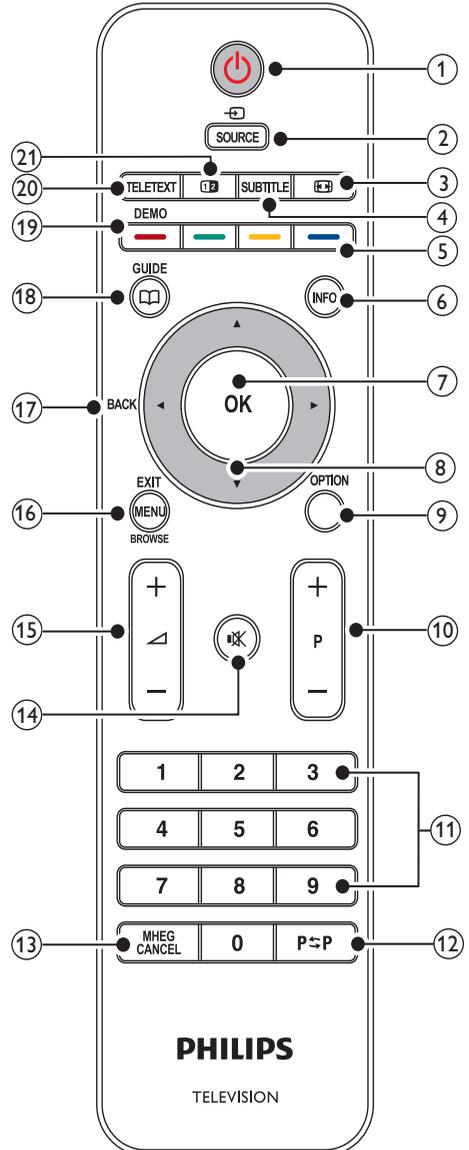


- ① **Power indicator/Remote control sensor**
 - Power indicator is white when the TV is on.
 - Power indicator is red when the TV is in standby.
- ② **POWER:** Switches the TV on or off. The TV is not powered off completely unless it is physically unplugged.
- ③ **PROGRAM +/-:** Switches to the next or previous channel.
- ④ **MENU:** Toggles the main menu on or off.
- ⑤ **VOLUME +/-:** Increases or decreases volume.

Remote control

! Caution

- Never mix old and new batteries or carbon and alkaline batteries. Replace the batteries with the correct type and size when they are exhausted.
- Remove the batteries if the remote control is not used for an extended period of time.



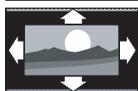
- ① **Standby**
- Switches the TV to standby if the TV is on.
 - Switches the TV on if the TV is in standby.

② **SOURCE**

Selects connected devices.

③ **Picture format**

Selects one of the following picture formats:



[Auto format] Enlarges the picture to fill the screen (subtitles remain visible). Recommended for minimal screen distortion (but not for HD or PC).



[Super zoom] Removes the black bars on the sides of 4:3 broadcasts. Not recommended for HD or PC.



[4:3] Classic 4:3 format (Constant use of the **[4:3]** picture format can cause screen distortion – we recommend you use **[Auto format]**).



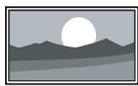
[Movie expand 14:9] Scales the classic 4:3 format to 14:9 (Constant use of the **[Movie expand 14:9]** picture format can cause screen distortion – we recommend you use **[Auto format]**).



[Movie expand 16:9] Scales the classic 4:3 format to 16:9. Not recommended for HD or PC.



[Wide screen] Stretches the classic 4:3 format to 16:9



[Unscaled] Provides maximum detail for PC or HD content (via HDMI connection).

④ **SUBTITLE**

Enables or disables subtitles.

⑤ **Colour buttons**

Select tasks, options or teletext pages.

⑥ **INFO**

Displays programme information, if available.

⑦ **OK**

Activates a selection or accesses the **[All channels]** menu. The **[All channels]** menu allows you to create favorite lists containing your favorite TV and radio channels.

⑧ **Navigation buttons**

Navigate through the menus.

⑨ **OPTION**

Activates the **[Quick access]** menu, giving you access to frequently used menu items, including:

- **[Audio language]**
- **[Subtitle language]**
- **[Subtitle]**
- **[Picture format]**
- **[Equalizer]**
- **[Clock]**

⑩ **P +/-**

Switches to the next or previous channel.

⑪ **Numeric buttons**

Select a channel or setting.

⑫ **P◀P Previous channel**

Returns to the previously viewed channel.

⑬ **MHEG CANCEL**

Cancels digital text or interactive services (UK only).

⑭ **Mute**

Mutes or unmutes audio.

⑮ **◀ +/-**

Increases or decreases volume.

⑯ **MENU**

Toggles the main menu on or off.

⑰ **BACK**

Returns to a previous screen.

⑱ **GUIDE**

Toggles the Electronic Programme Guide (EPG) on or off. Enabled on digital channels only.

⑲ **DEMO**

Toggles the demonstration menu on or off.

⑳ **TELETEXT**

Toggles teletext on or off.

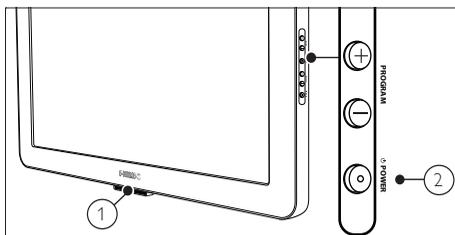
㉑ **Dual Screen**

Enables dual screen teletext. This splits the channel or source to the left of the screen, with teletext on the right.

4 Use your Flavors TV

This section helps you perform basic Flavors TV operations.

Switch the TV on, off or to standby



To switch on

- If the indicator ① is off, press **POWER** ② at the side of the TV.
- If the indicator ① is red, press **Standby** on the remote control.

To switch to standby

- Press **Standby** on the remote control.
↳ The indicator ① switches to red.

To switch off

- Press **POWER** ② at the side of the TV.

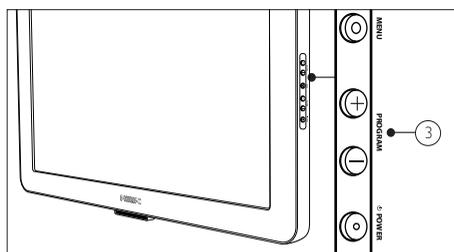
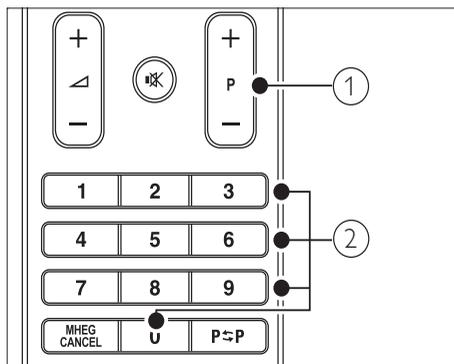
Tip

- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cord from the power outlet.

Note

- If you cannot locate your remote control and want to switch on the TV from standby, press **POWER** at the side of the TV. This switches off your TV. Press **POWER** again to switch the TV back on.

Switch channels



- Press **P +/-** ① or the **Numeric buttons** ②.
- Press **PROGRAM +/-** ③ at the side of the TV.

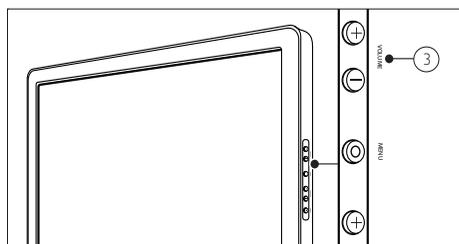
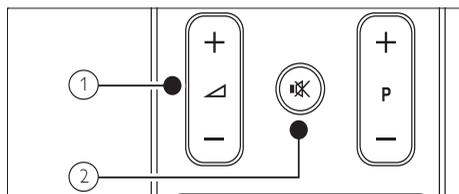
Watch connected devices

- 1 Switch on the device.
↳ The picture from your device may appear automatically on your screen.
- 2 Use the remote control of your device to select a channel or video to watch.

Note

- If the channel or video from your device does not appear automatically, press **SOURCE** to select the device.

Adjust TV volume

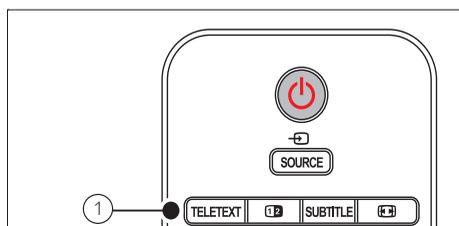


- Press \triangleleft +/- ①.
- Press Mute ② to mute audio.
- Press **VOLUME** +/- ③ at the side of the TV.

Note

- For UK users only: Some digital TV channels offer dedicated digital text services (for example, BBC1).

Use teletext



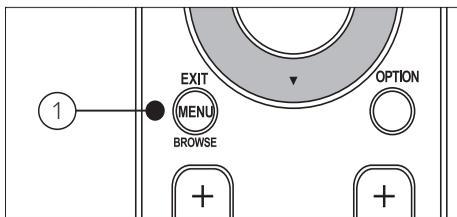
- 1 Press **TELETEXT** ①.
↳ The main index page appears.
- 2 Select a page by:
 - Entering the page number with the **Numeric buttons**.
 - Pressing **P +/-** or \blacktriangle / \blacktriangledown to view the next or the previous page.
 - Pressing the **Colour buttons** to select a colour coded item.
 - Pressing **P↔P Previous channel** to return to a previously viewed page.
- 3 Press **TELETEXT** ① to exit teletext.

5 Use more of your Flavors TV

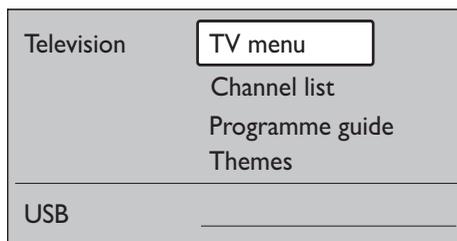
Access TV menus

Menus help you to install your TV, adjust picture and sound settings and access other features.

Access the main menu



- 1 Press **MENU** ①.
↳ The main menu appears.



- 2 Press **▲** or **▼** to select an option.
 - **[TV menu]**
Select to access installation, picture and sound settings and other feature settings.
 - **[Channel list]**
Select to display the channel list. Also create favorite channel lists here.
 - **[Programme guide]**
Available when digital channels are installed. Select to display information about the digital programmes.

- **[Themes]**
Select to change the appearance of TV menus.
- **[USB]**
Select to view photos, play music or apply menu themes stored on a USB storage device.

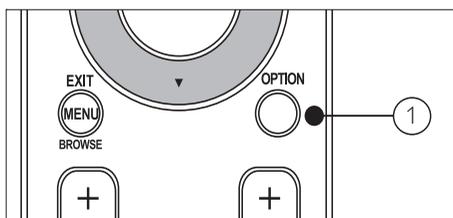
- 3 Press **OK** to display the menu of the selected option.
- 4 Press **MENU** ① to exit.

Access the Quick access menu

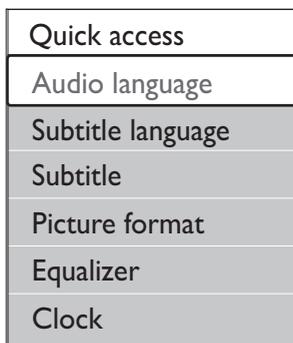
The **[Quick access]** menu gives direct access to often-needed menu items.

Note

- When digital channels are available, digital options are displayed in the **[Quick access]** menu.



- 1 Press **OPTION** ①.
↳ The **[Quick access]** menu appears.



- 2 Press **▲** or **▼** to select an option:

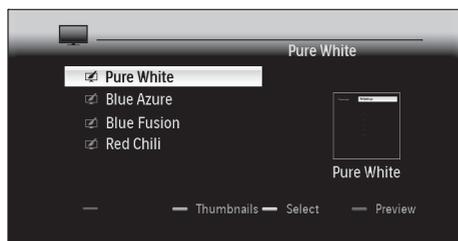
- [Audio language] (digital only)
 - [Subtitle language] (digital only)
 - [Subtitle]
 - [Picture format]
 - [Equalizer]
 - [Clock]
- 3 Press **OK** to display the menu of the selected option.
 - 4 Press **OPTION**  to exit.

Apply menu themes

Apply menu themes to match your chosen Flavors TV frame. You can apply themes stored on the TV or download new themes from www.philips.com/flavors.

Apply a menu theme stored on the TV

- 1 Press **MENU**
↳ The main menu appears.
- 2 Press **▼** to select **[Themes]**, and then press **OK**.
↳ The **[Themes]** menu appears, displaying themes stored on the TV.

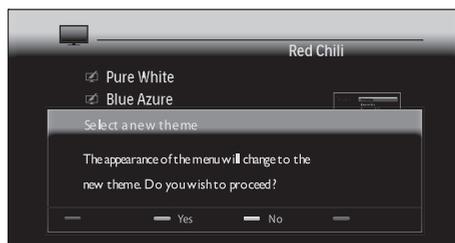


- 3 Press **▲** or **▼** to select a theme to apply.

Note

- To view all available themes on one screen, press the **Green button**.

- 4 Press the **Yellow button** to apply the theme.
↳ A confirmation screen appears.



- 5 Press the **Green button** to confirm selection of the theme.
↳ The theme is applied.

Download and apply a new menu theme

Before performing the procedure be sure to have:

- A USB storage device with at least 64MB of storage space.
- Access to a computer with a USB port and internet access.

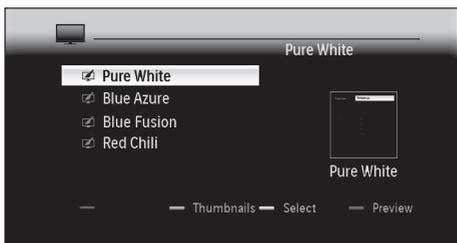


Warning

- Do not remove the USB storage device when files are being transferred. This can damage files on the USB storage device.

- 1 Connect the USB storage device to your computer.
- 2 Navigate to www.philips.com/flavors and download new themes to the USB storage device.
- 3 Insert the USB storage device into the **USB** connector on the TV.
↳ The main menu appears.
- 4 Press **▼** to select **[Themes]**, and then press **OK**.

- ↳ The [Themes] menu appears, displaying themes stored on the TV and USB storage device.

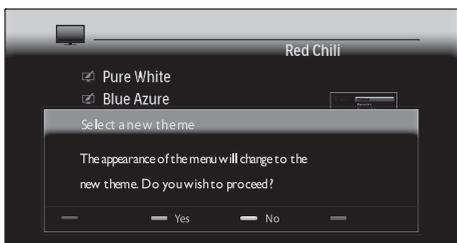


- Press ▲ or ▼ to select a theme to apply.

Note

- To view all available themes on one screen, press the **Green button**.

- Press the **Yellow button** to apply the theme.
 - ↳ A confirmation screen appears.



- Press the **Green button** to confirm selection of the theme.

Note

- Note that if you apply a theme when six are already stored on the TV, you are prompted to replace a theme. Press the **Green button** to proceed with deletion. After selecting a theme to delete, press the **Red button**.

- ↳ The theme is applied.

- Wait five seconds before disconnecting the USB storage device.

Adjust picture and sound settings

This section describes how to adjust picture and sound settings.

Use settings assistant

Use [Settings assistant] to guide you through the best picture and sound settings.

- Press **MENU**.
- Select [TV menu] > [TV Settings] > [Settings assistant] > [Start now].

TV settings	Settings assistant
Settings assistant	
Reset smart settings	Start now
Picture	
Sound	

- Press **OK**.
 - ↳ The [Settings assistant] menu appears.
- Press the **Green button** to start [Settings assistant].
- Press ◀ or ▶ to make a choice.
- Press the **Green button** to select your choice and go to the next setting.
- When complete, press the **Green button** to store your settings.

Use smart settings

Use smart settings to apply pre-defined picture and sound settings.

- Press **MENU**.
- Select [TV menu] > [TV Settings] > [Reset smart settings].

TV settings	Reset smart settings
Settings assistant	Current
Reset smart settings	Standard
Picture	Vivid
Sound	Movie

- 3 Press ► to enter the **[Reset smart settings]** menu.
- 4 Press the ▲▼◀▶ **Navigation buttons** to select:
 - **[Current]** Applies current picture and sound settings.
 - **[Standard]** Applies picture and sound settings that suit most environments and most types of TV programmes.
 - **[Vivid]** Applies rich picture and sound settings that use more of the features of the TV.
 - **[Movie]** Applies picture and sound settings that suit movies.
- 5 Press the **Green button** to store and apply your smart setting choice.

Adjust picture settings

- 1 Press **MENU**.
- 2 Select **[TV menu] > [TV Settings] > [Picture]**.
- 3 Press ► to enter the **[Picture]** menu.

TV settings	Picture
Settings assistant	Contrast
Reset smart settings	Brightness
Picture	Colour
Sound	Hue
	Sharpness
	Tint
	Dynamic contrast
	Noise reduction
	Colour enhancement
	Active Control
	Picture format

- 4 Press the ▲▼◀▶ **Navigation buttons** to select and adjust:

- **[Contrast]** Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]** Adjusts the intensity and details of dark areas.
- **[Colour]** Adjusts colour saturation.
- **[Hue]** Compensates colour variations in NTSC encoded transmissions.
- **[Sharpness]** Adjusts the level of sharpness in image details.
- **[Tint]** Adjusts the colour balance of an image to **[Normal]**, **[Warm]** (reddish) or **[Cool]** (bluish). Select **[Custom]** to make a setting of your own.
- **[Dynamic contrast]** Automatically enhances contrast in an image. A **[Medium]** setting is recommended.
- **[Noise reduction]** Filters and reduces noise in an image.
- **[Colour enhancement]** Makes colors more vivid and improves the resolution of details in bright colors. You can switch this feature on or off.
- **[Active Control]** Corrects incoming signals for the best picture possible, according to lighting conditions in the room.
- **[Picture format]** Changes the picture format. Also accessible by pressing **[Picture format]**.

Adjust sound settings

- 1 Press **MENU**.
- 2 Select **[TV menu] > [TV Settings] > [Sound]**.
- 3 Press **▶** to enter the **[Sound]** menu:

TV settings	Sound
Settings assistant	Position
Reset smart settings	Equalizer
Picture	Volume
Sound	Audio language
	Dual I/II
	Mono/Stereo
	Surround mode
	Automatic volume ...
	Delta volume
	Auto surround

- 4 Press the **▲▼◀▶** **Navigation buttons** to select and adjust:
 - **[Position]** Maximizes sound settings according to the position of the TV. Use **[Table-top]** if the TV is mounted on a stand or **[Wall mount]** if the TV is wall mounted.
 - **[Equalizer]** Adjusts sound frequencies to match your preferences. Pre-defined equalizer settings are available:
 - **[Standard]** Sets equalizer settings to neutral.
 - **[Speech]** Maximizes equalizer settings for speech.
 - **[Multimedia]** Maximizes equalizer settings for different audio types.
 - **[Music]** Maximizes settings for music.
 - **[Volume]** Adjusts the volume.

Note

- To enable or disable the volume bar that appears when you adjust the volume, press **MENU**. Select **[TV menu] > [Installation] > [Preferences] > [Volume bar]**.

- **[Audio language]** Available for digital channels, when multiple languages are broadcast. Lists available audio languages.
- **[Dual I-II]** Selects between audio languages if dual sound is broadcast.
- **[Mono/Stereo]** Selects between mono or stereo if stereo is broadcast.
- **[Surround mode]** Enables spatial sound.
- **[Automatic volume leveling]** Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **[Delta volume]** Corrects volume differences between TV channels and connected devices (switch to your connected device when adjusting **[Delta volume]**).
- **[Auto surround]** Automatically switches to the best surround sound mode available from a broadcast.

Note

- **[Surround mode]** and **[Auto surround]** sound settings are not available on 22 inch TV models.

Use advanced teletext features

Your TV has a 1,200 page memory that stores teletext pages and subpages. The teletext memory reduces page loading time.

Select teletext subpages

A teletext page can hold several subpages. Subpages are displayed on a bar next to the main page number.

- 1 Press **TELETEXT**.
- 2 Select a teletext page.
- 3 Press **◀** or **▶** to select a subpage.

Select T.O.P. teletext broadcasts

Table Of Pages (T.O.P) teletext broadcasts allow you to jump from one subject to another without using page numbers. T.O.P. teletext is not broadcast on all TV channels.

- 1 Press **TELETEXT**.
- 2 Press **INFO**.
↳ The T.O.P. overview appears.
- 3 Press the **▲▼◀▶** **Navigation buttons** to select a subject.
- 4 Press **OK** to view the page.

Use dual screen teletext

Enabling dual screen teletext displays your channel or source on the left of the screen. Teletext is displayed on the right.

- 1 Press **DS Dual Screen**.
↳ Dual screen teletext is enabled.
- 2 Press **DS Dual Screen** again to display normal teletext.
- 3 Press **TELETEXT** to switch off teletext.

Search teletext

Quickly jump to a subject or search for specific words in teletext pages.

- 1 Press **TELETEXT**.
- 2 Press **OK** to highlight the first word or number.
- 3 Press the **▲▼◀▶** **Navigation buttons** to jump to the next word or number on the page.

- 4 Press **OK** to search for pages that contain the word or number.
- 5 Press **▲** until no word or number is highlighted to exit **[Search]**.

Enlarge teletext pages

For more comfortable reading, you can enlarge the teletext page.

- 1 Press **TELETEXT**.
- 2 Select a teletext page.
- 3 Press **OPTION** to enlarge the top part of the page.
- 4 Press **OPTION** again to view the enlarged lower part of the page.
- 5 Press **▲** or **▼** to scroll through the enlarged page.
- 6 Press **OPTION** again to return to the normal page size.

Use the teletext menu

Use the teletext menu to reveal hidden information, cycle subpages automatically and change character settings.

- 1 Press **TELETEXT**.
- 2 Press **MENU**.
↳ The **[TELETEXT MENU]** appears.

Teletext menu	
Reveal	Off
Cycle subpages	Off
Language	Gr. II

- 3 Press **▲** or **▼** to select an option.
 - **[Reveal]** Hides or reveals hidden information on a page, such as solutions to riddles or puzzles.

- **[Cycle subpages]** Cycles through subpages automatically if subpages are available.
- **[Language]** Switches to a different language group to display a language correctly when that language uses a different character set.

- 4 Press **OK** to change an option.
- 5 Press **MENU** to exit **[TELETEXT MENU]**.
- 6 Press **TELETEXT** to switch off teletext.

Use digital text services (UK only)

Some digital TV broadcasters in UK offer dedicated digital text or interactive services (for example, BBC1). These services work like normal teletext with the addition of number, colour and navigation keys.

- 1 Press **TELETEXT**.
- 2 Press the **▲▼◀▶** **Navigation buttons** to highlight an item.
- 3 Press one of the **Colour buttons** to select an item.
- 4 Press **OK** to activate the item.
- 5 Press **MHEG CANCEL** to cancel digital text.

Note

- Digital text services are blocked when subtitles are broadcast and subtitles set to **[On]** in the **[Features]** menu.

Use Teletext 2.5

Teletext 2.5 offers more colours and better graphics than normal teletext. If Teletext 2.5 is broadcast by a channel, it is switched on by default.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Preferences] > [Teletext 2.5]**.
- 3 Press **▶** to enter the list.

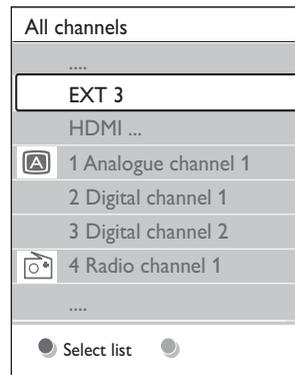
- 4 Select **[On]** or **[Off]**.
- 5 Press **OK** to change the option.

Create and use lists of favorite channels

You can create lists of your preferred TV channels and radio stations so that you can find those channels easily.

Select a favorite list

- 1 Press **OK**.
 - ↳ If this is new installation, the **[All channels]** list is displayed.



- ↳ If this is not a new installation, the last selected favourite list appears.

- 2 Press the **Red button** to display all favorite lists.
- 3 Press **▲** or **▼** to select a list.
- 4 Press **OK**.
 - ↳ The selected favourite list appears.
- 5 Press **OK** again to exit.

Setup a favorite list

- 1 Press **OK**.
 - ↳ The last selected list appears.

- 2 Press the **Red button** to show all favorite lists.
- 3 Press **▲** or **▼** to select a list.
- 4 Press **OK**.
- 5 Press the **Green button** to enter **[Edit list]** mode.
 - ↳ The selected list displays a full channel list.
- 6 Press **▲** or **▼** to highlight a channel.
- 7 Press **OK** to mark (or unmark) the highlighted channel.
 - ↳ The channel is added to (or removed from) the selected list.
- 8 Press the **Green button** again to exit **[Edit list]** mode.
 - ↳ The modified channel list appears again.

Select a channel from a favorite list

- 1 Press **OK**.
 - ↳ The last selected channel list appears.
- 2 Use **▲** or **▼** to highlight a channel.
- 3 Press **OK**.
 - ↳ The TV tunes to the selected channel.

Tip

- Press **P +/-** to scan channels in your selected list. You can select channels unavailable in your list by pressing the **Numeric buttons**.

Use the Electronic Program Guide

EPG is an on-screen guide available for digital channels. EPG allows you to:

- View a list of digital programmes being broadcast
- View upcoming programmes
- Group programmes by genre

- Set reminders when programmes start
- Setup preferred EPG channels

Switch on EPG

Note

- The first time you use EPG, you might be prompted to perform an update. Follow the on-screen instructions.

- 1 Press **GUIDE**. The following EPG types appear:
 - **[Now and Next]** Displays information about the current and next programme.

26	BBC1	Tue., 12 Sep	09:17
Title : Commonwealth Games			
Info: 7:50 - 12:30 : 280 min			
<input type="radio"/>	Exit	<input type="radio"/>	Next
Press -P+ to change channel.			

- **[7 or 8 day]** Displays information about scheduled programmes. This type of EPG data is available in selected countries only and can take some time to load.

Programme guide				Tue., 12 Sep	
	Around	09:55	Next		
BBC ONE	07:50	Commonwealth	12:30	Commonwealth	
BBC TWO	09:50	Tweenies	10:15	Something Special	
five	09:00	The Wright Stuff	10:30	Trisha Goddard	
BBC THREE	05:32	This is BBC THREE	12:00	This is BBC THREE	
BBC FOUR	05:32	This is BBC FOUR	12:00	This is BBC FOUR	
abc1	09:20	Moonlighting	10:15	Daddio	
<input type="radio"/>	Remind	<input type="radio"/>	Watch	<input type="radio"/>	Jump to ...
	13:50	Anastasia		0010	- EEN

- 2 Press the **Colour buttons** to select:
 - **[Next]** Displays information about the next program.
 - **[Remind]** Sets a reminder for a programme.

- **[Watch]** Switches to the current programme.
- **[Jump to...]** Jumps to the next or previous day.
- **[Info]** If available, displays information about a selected program.

3 Press **GUIDE** to exit the EPG.

More on '7 or 8 day' EPG

Searching by genre, scheduling reminders and more features are available through the **[Programme guide]** menu.

1 Press **GUIDE**.

2 Press **MENU**.

↳ **[Programme guide]** appears.

Programme guide	What's on
What's on	12:30 South Today
Search by genre	11:50 Working Lunch
Scheduled remind...	11:55 Melrose Place
Preferred EPG ch...	13:00 In aller Freund
Acquire EPG data	

3 Press **▲** or **▼** to select a menu option.

4 Press **▶** to enter.

5 Press **▲** or **▼** to make a selection.

6 Press **OK** activate the selection.

7 Press **GUIDE** to exit the EPG.

Note

- Only channels marked as preferred EPG channels appear in the **[Programme guide]** menu.

Automatically switch the TV to standby (Sleeptimer)

Sleeptimer switches the TV to standby after a delay. You can always switch off your TV earlier or reset the sleeptimer during the countdown.

1 Press **MENU**.

2 Select **[TV menu]** > **[Features]** > **[Sleeptimer]**.

3 Press **▶** to enter the **[Sleeptimer]** bar.

4 Press **▲** or **▼** to set the sleep time.

↳ This can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleeptimer is switched off.

5 Press **OK** to activate the sleeptimer.

Note

- You can always switch off your TV earlier or reset sleeptimer during the countdown.

Automatically switch the TV on (on timer)

You can switch the TV to a specified channel at a specified time, from standby.

1 Press **MENU**.

2 Select **[TV menu]** > **[Features]** > **[On timer]**.

3 Press **▶** to enter the **[On timer]** menu.

4 Press the **▲▼◀▶** **Navigation buttons** to set the channel, day of the week, frequency and starting time.

5 Press **OK** to confirm.

6 Press **MENU** to exit.

Tip

- To switch off **[On timer]**, select **[Off]** in the **[On timer]** menu.

Use timers

You can set timers to switch the TV on or off at a specified time.

Use child control and rating locks

You can prevent your children from watching certain programmes or certain channels by locking the TV controls and by using ratings.

Set or change the child lock code

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Features] > [Set code]/[Change code]**.
- 3 Press **▶** to enter the code setup.
- 4 Enter your code with the **Numeric buttons**. The **[Features]** menu reappears with a message confirming that your code is created or changed.



Tip

- If you forget your code, enter '8888' to override any existing codes.

Enter the child lock menu

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Features] > [Child lock]**.
- 3 Press **▶** to enter your code.
- 4 Enter your code with the number keys.

Lock or unlock all channels and connected devices

- 1 In the **[Child lock]** menu, select **[Lock]** or **[Unlock]**.
- 2 Press **OK**.

Lock one or more channels and connected devices

- 1 In the **[Child lock]** menu, select **[Custom lock]**.
- 2 Press **▶** to enter.
- 3 Press **▲** or **▼** to select **[Channel lock]**.
- 4 Press **▶**.

- 5 Press **▲** or **▼** to select the channel or device you want to lock or unlock.
- 6 At each selection, press **OK** to lock or unlock the channel or device.

Lock a programme or all channels from a specific time

- 1 In the **[Child lock]** menu, select **[Custom lock]**.

Child lock	Custom lock
Lock	Lock after
Custom lock	Channel lock
Unlock	Parental rating

- 2 Press **▶** to enter the **[Custom lock]** menu.
- 3 Press **▶** again to enter the **[Lock after]** menu.
- 4 Select **[On]** to enable the timer lock.
- 5 Press **◀**.
- 6 Select **[Time]**.
- 7 Press **▶**.
- 8 Enter the time with **▲** or **▼** and **▶**.
- 9 Press **OK**.

Set parental ratings

Some digital broadcasters rate their programmes according to age. You can set your TV to display only programmes with age ratings higher than your child's age.

- 1 In the **[Child lock]** menu, select **[Custom lock]**.
- 2 Press **▶** to enter.
- 3 Press **▲** or **▼** to select **[Parental rating]**.
- 4 Press **▶**.
- 5 Press **▲** or **▼** to select an age rating.
- 6 Press **MENU** to exit the **[Child lock]** menu.

Use subtitles

You can enable subtitles for each TV channel. Subtitles are broadcast via teletext or DVB-T digital broadcasts. With digital broadcasts, you have the additional option of selecting a preferred subtitle language.

Enable subtitles on analog TV channels

- 1 Select an analog TV channel.
- 2 Press **TELETEXT**.
- 3 Enter the three digit page number of the subtitle page with the **Numeric buttons**.
- 4 Press **TELETEXT** to switch off teletext.
- 5 Press **SUBTITLE**.
↳ The **[Subtitle]** screen appears.
- 6 Press **▲** or **▼** to select **[On]** to display subtitles always or **[On during mute]** to display subtitles only when audio is muted.
- 7 Press **OK** to enable subtitles.

Note

- Repeat this procedure to enable subtitles on each analog channel.

Enable subtitles on digital TV channels

- 1 Press **SUBTITLE**.
↳ The **[Subtitle]** screen appears.
- 2 Press **▲** or **▼** to select **[On]** to display subtitles always or **[On during mute]** to display subtitles only when audio is muted.
- 3 Press **OK** to enable subtitles.

Select a subtitle language on digital TV channels

Note

- When you select a subtitle language on a digital TV channel as described below, the preferred subtitle language set in the **[Installation]** menu is temporarily overruled.

- 1 Press **MENU**.
- 2 Select **[TV menu]** > **[Features]** > **[Subtitle language]**.
- 3 Press **▶** to enter the list of available languages.
- 4 Press **▲** or **▼** to select a subtitle language.
- 5 Press **OK**.

Display the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator.

- 1 Press **OPTION**.
↳ The **[Quick access]** menu appears.
- 2 Select **[Clock]**.

Quick access
Audio language
Subtitle language
Subtitle
Picture format
Equalizer
Clock

- 3 Press **OK**.
↳ The clock displays on the TV screen.

Note

- The clock is disabled automatically after ten minutes.

Disable the TV clock

- 1 Press **OPTION**.
↳ The **[Quick access]** menu appears.
- 2 Select **[Clock]**.
- 3 Press **OK**.
↳ The clock is disabled.

View photos and play music from a USB storage device

! Caution

- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.

Your TV is fitted with a USB connector that enables you to view photos or listen to music stored on a USB storage device. You can view your pictures as a slideshow or listen to a music playlist.

Supported formats	Non-supported formats
JPEG	Progressive JPEG files
MP3	File name exceeding 128 characters
FAT/DOS-formatted memory devices	File names containing a dot character

* Tip

- You can also use your USB storage device to apply new menu themes (see 'Download and apply a new menu theme' on page 11).

Connect a USB storage device

- 1 Turn on the TV.
- 2 Connect the USB device to the USB port on the side of your TV (see 'Side connectors' on page 30).
↳ The main menu appears automatically and the name of the USB device is displayed.

Disconnect a USB storage device

! Caution

- To avoid damaging your USB storage device, always follow the procedure described below when disconnecting.

- 1 Press **MENU** to exit the **[USB]** menu.
- 2 Wait five seconds before disconnecting the USB storage device.

View your photos

- 1 Press **▶** to enter the **[USB]** menu.
↳ **[Picture]** is highlighted.

USB	Picture
Picture	Afrika_2001
Music	Paris_2006
Themes	My_car.jpg
	Jean.jpg
	Mary.jpg

- 2 Press **▶** to enter the **[Picture]** folder:

Picture	Afrika_2001
Afrika_2001	Kenya.jpg
Paris_2005	Congo.jpg
My_car.jpg	Victoria.jpg
Jean.jpg	Dakar.jpg
Mary.jpg	Cairo.jpg

- 3 Press **▲** or **▼** to select a picture or a picture album on the USB device.

Afrika_2001	Afrika_2001
Kenya.jpg	Kenya.jpg
Congo.jpg	
Victoria.jpg	
Dakar.jpg	
Cairo.jpg	

- 4 Press **OK** to view the picture or to start a slide show.
- 5 Press **OK** to pause the slide show and press **OK** again to restart.
- 6 Press one of the **Colour buttons** to perform the corresponding function shown at the bottom of the screen.
- 7 Press the **Blue button** to stop the show and to see more functions. If the function bar at the bottom disappears, press any of the **Colour buttons** to make it reappear.
- 8 Press **◀** and select another picture or another album.

Slide show settings

- **[Details]/[More details]** Displays the picture name, date, size and next picture in the slide show.
- **[Transitions]** Sets the transition from one picture to the next.
- **[Slide time]** Sets the amount of time that a picture is shown.
- **[Rotate]** Rotates a picture.
- **[Zoom]** Displays a list of available magnifications.
- **[Start show]/[Stop show]** Starts or stops a slide show.

View pictures as thumbnails

Thumbnails allow you to view picture albums in an overview format.

- 1 Select a picture album.
- 2 Press **▶** to enter the picture list.
- 3 Press the **Green button**.
- 4 Press **▲▼◀▶** **Navigation buttons** to highlight a picture.
- 5 Press **OK** to view the picture.
- 6 Press **◀** to return to the thumbnail overview.
- 7 Press the **Green button** again to go back to the picture list.

Listen to music

- 1 After connecting your USB storage device to the TV, press **▶** to enter the **[USB]** menu.
- 2 Select **[Music]**, and then press **▶** to enter the **[Music]** folder.
- 3 Press **▲** or **▼** to select a song or a music album.
- 4 Press **OK** to play the selected song or album.

Music settings

- **[No details]/[More details]** Displays the file name.
- **[Repeat: one]/[Repeat: all]** Repeats a song or an album.
- **[Shuffle]** Plays songs randomly.

View a slide show with music

You can view a slide show of your stored pictures with background music.

- 1 Select an album of songs.
- 2 Press **OK**.
- 3 Select an album of pictures.
- 4 Press **OK**.

Listen to digital radio channels

If digital broadcasting is available, digital radio channels are installed automatically during installation.

- 1 Press **OK**.
↳ The **[All channels]** menu appears.
- 2 Press the **Numeric buttons** to select a radio channel.
- 3 Press **OK**.

Update the TV software

Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/flavors for availability.

Check the current software version

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Software update] > [Current software info]**.

Update software (analog broadcasts)

Before performing this procedure be sure to:

- Set aside some time to complete the entire update.
- Have available a USB storage device with at least 64MB of storage space.
- Have access to a computer with a USB port and internet access.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Software update] > [Update assistant]**.
- 3 Select **[Start now]**.
- 4 Insert the USB storage device.
- 5 Press the **Green button**.
- 6 An ID file is copied to the USB device.
- 7 Press the **Green button** to complete the copy.
- 8 Connect the USB storage device to your computer.
- 9 In your computer, browse to the USB storage device and double-click the 'Update' HTML file.
- 10 Follow the on-screen instructions to complete the update.

Change the TV location

- 1 Press **MENU**.

- 2 Select **[TV menu] > [Installation] > [Preferences] > [Location]**.
- 3 Press **▶** to enter the **[Location]** menu.
- 4 Use **▲** or **▼** to select the TV mode:
 - **[Shop]** Sets smart settings to **[Vivid]**, ideal for a shop environment. The flexibility to change settings is limited.
 - **[Home]** Gives home users the full flexibility to change all TV settings.
- 5 Press **OK** to confirm.
- 6 Press **MENU** to exit.

Start a TV demo

- 1 Press the **Red button**.
- 2 Press **▲** or **▼** to select a demo.
- 3 Press **OK** to start the demo.
- 4 Press the **Red button** to exit.

Reset the TV to factory settings

Resetting your TV to factory settings restores default picture and sound settings. Channel installation settings remain the same.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Factory settings]**.
- 3 Press **▶** to enter the **[Factory settings]** menu.
 - ↳ **[Reset]** is highlighted.
- 4 Press **OK** to reset to factory settings.
- 5 Press **MENU** to exit.

6 Install channels

The first time you setup your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to reinstall and fine-tune channels.

Automatically install channels

This section describes how to search and store channels automatically. Instructions are for both digital and analog channels.

Step 1 Select your menu language

 **Note**

- Skip to **Step 3 Select your time zone** if your language settings are correct.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Languages]**.

Installation	Languages
Languages	Menu language
Country	Preferred audio
Time zone	Preferred subtitles
Channel install...	Hearing impaired
Preferences	
Connections	

- 3 Press **▶** to enter the **[Languages]** menu.
- 4 Press **▲** or **▼** to select a language setting.
- 5 Press **▶** to enter the language setting menu.
- 6 Press **▲** or **▼** to change a language setting.
- 7 Press **OK** to confirm the changes.

- 8 Press **◀** to return to the **[Installation]** menu.

Step 2 Select your country

Select the country where you are located. The TV installs and arranges channels according to your country.

 **Note**

- Skip to **Step 3 Select your time zone** if your country settings are correct.

- 1 In the **[Installation]** menu, press **▼** to select **[Country]**.
- 2 Press **▶** to enter the list.
- 3 Press **▲** or **▼** to select your country.
- 4 Press **◀** to return to the **[Installation]** menu.

Step 3 Select your time zone

 **Note**

- This option is only available for countries with different time zones. Skip to **Step 4 Install channels** if it is not applicable.

- 1 In the **[Installation]** menu, press **▼** to select **[Time zone]**.
- 2 Press **▶** to enter the list.
- 3 Press **▲** or **▼** to select your time zone.
- 4 Press **◀** to return to the **[Installation]** menu.

Step 4 Install channels

Your TV searches and stores all available digital and analog TV channels as well as all available digital radio channels.

- 1 In the **[Installation]** menu, press **▼** to select **[Channel installation]**.

- 2 Press ► to enter the [Channel installation] menu.
↳ [Automatic installation] is highlighted.
- 3 Press ► to select [Start now].
- 4 Press OK.
- 5 Press the **Green button** to start.
↳ Installation takes several minutes.
- 6 When installation is complete, press the **Red button** to return to the [Installation] menu.
- 7 Press **MENU** to exit.

Tip

- When digital TV channels are found, the list of installed channels may display empty channel numbers. You can rename, reorder or uninstall stored channels as described below.

Manually install channels

This section describes how to search and store analog TV channels manually.

Step 1 Select your system

Note

- Skip to **Step 2 Search and store new TV channels** if your system settings are correct.

- 1 Press **MENU**.
- 2 Select [TV menu] > [Installation] > [Channel installation] > [Analogue: Manual installation].

Channel install...	Analogue: Manual...
Automatic install...	System
Installation update	Search
Digital:Test recept...	Fine tune
Analogue: Manual...	Store current ch...
Rearrange	Store as new ch...

- 3 Press ► to enter the [Channel installation] menu.
↳ [System] is highlighted.
- 4 Press ► to enter the [System] list.
- 5 Press ▲ or ▼ to select your country or region.
- 6 Press ◀ to return to the [Channel installation] menu.

Step 2 Search and store new TV channels

- 1 Press **MENU**.
- 2 Select [TV menu] > [Installation] > [Channel installation] > [Analogue: Manual installation] > [Search] .
- 3 Press ► to enter the [Search] menu.
- 4 Press the **Red button** and the **Numeric buttons** to manually enter the three digit frequency. Alternatively, press the **Green button** to automatically search for the next channel.
- 5 Press ◀ when the new channel is found.
- 6 Select [Store as new channel] to store the new channel under a new channel number.
- 7 Press ► to enter.
- 8 Press **OK**.
↳ [Done] appears.
- 9 Press **MENU** to exit.

Fine-tune analog channels

You can fine-tune analog channels manually when reception is poor.

- 1 Press **MENU**
- 2 Select [TV menu] > [Installation] > [Channel installation] > [Analogue: Manual installation] > [Fine tune] .
- 3 Press ► to enter the [Fine tune] menu.
- 4 Press ▲ or ▼ to adjust the frequency.
- 5 Press ◀ when done.

- 6 Select **[Store current channel]** to store the fine-tuned channel under the current channel number.
- 7 Press **▶** to enter.
- 8 Press **OK**.
↳ **[Done]** appears.
- 9 Press **MENU** to exit.

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Channel installation] > [Rearrange]**.
- 3 Press **▶** to enter the **[Rearrange]** list.
- 4 Press **▲** or **▼** in the **[Rearrange]** list to select the channel to rename.
- 5 Press the **Red button**.
- 6 Press **◀** and **▶** to select characters.
- 7 Press **▲** and **▼** to change characters.
- 8 Press **OK** to finish.



Tip

- Press the **Yellow button** to delete all characters. Press the **Blue button** to delete only the selected character.

Uninstall or reinstall channels

You can uninstall a stored channel or reinstall an uninstalled channel.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Channel installation] > [Rearrange]**.
- 3 Press **▶** to enter the **[Rearrange]** list.
- 4 Press **▲** or **▼** to select the channel to uninstall or reinstall.

- 5 Press the **Green button** to uninstall or reinstall the channel.
- 6 Press **MENU** to exit.

Rearrange channels

After installing channels, you can rearrange the order in which they appear.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Channel installation] > [Rearrange]**.
- 3 Press **▶** to enter the **[Rearrange]** list.
- 4 Press **▲** or **▼** to select the channel to rearrange.
- 5 Press the **Yellow button** to move the channel up or the **Blue button** to move the channel down.
- 6 Press **MENU** to exit.

Manually update the channel list

If your TV is in standby mode, an update is performed every morning. This update matches channels stored in your channel list with those available from your broadcaster.

In addition to this automatic update, you can manually update the channel list.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Channel installation] > [Installation update]**.
- 3 Press **▶** to enter the **[Installation update]** menu.
↳ **[Start now]** is highlighted.
- 4 Press **OK**.
- 5 Press the **Green button** to start the update.
↳ This may take a few minutes.

- 6 When the update is complete, press the **Red button** to return to the **[Channel installation]** menu.
- 7 Press **MENU** to exit.

Test digital reception

If using digital broadcasts, you can check the quality and signal strength of digital channels. This allows you to reposition and test your aerial or satellite dish.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Channel installation] > [Digital:Test reception]**.
- 3 Press **▶** to enter the **[Digital:Test reception]** menu.
- 4 Press **OK**.
- 5 Press the **Green button** to automatically start the test or use the **Numeric buttons** to enter the frequency of the channel you want to test.
 - ↳ If the signal quality and strength is poor; reposition the aerial or satellite dish and retest.
- 6 When complete, press the **Yellow button** to store the frequency.
- 7 Press the **Red button** to return to the **[Channel installation]** menu.
- 8 Press **MENU** to exit.

Note

- If you have further problems with the reception of your digital broadcast, contact a specialised installer.

7 Connect devices

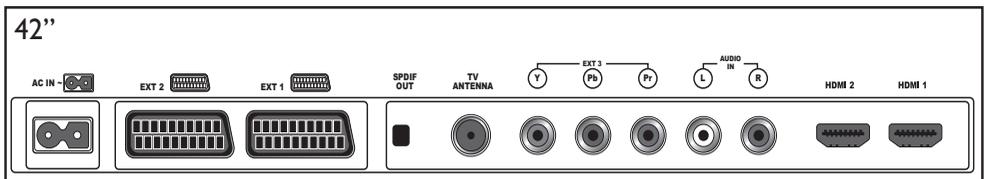
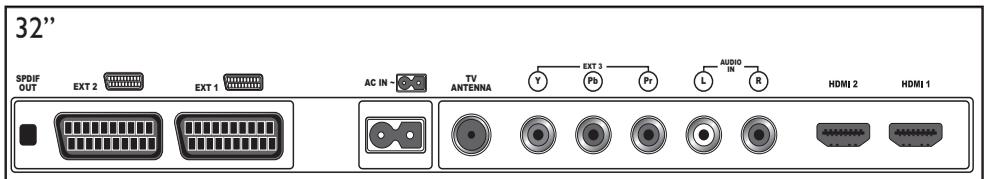
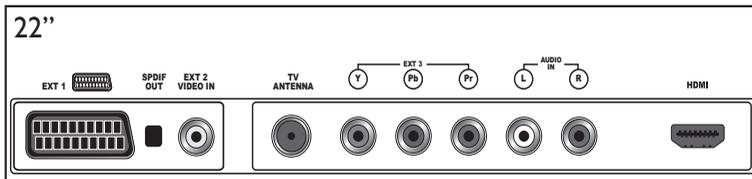
For best picture quality, we recommend you use the following connection types, listed below from highest to basic quality:

- 1 HDMI
- 2 Y Pb Pr (component)
- 3 SCART
- 4 VIDEO (composite)

Note

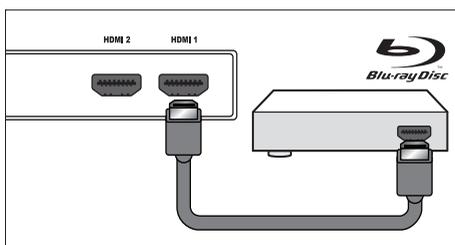
- The connectivity diagrams provided in this section are examples only. Other types of connections are possible.

Bottom connectors



HDMI:

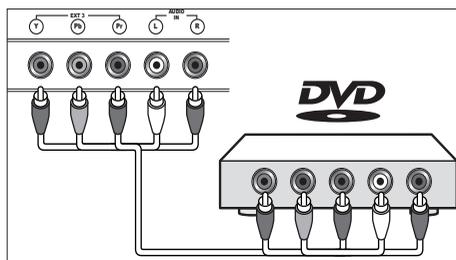
Input video/audio from HDMI devices such as Blu-ray players.

**Note**

- To experience full HD picture quality, your HDMI device must support 1080p.
- Connect a computer to an **HDMI** connector and use the TV as a monitor (see 'Connect a computer' on page 31).

Y Pb Pr (EXT 3) and AUDIO IN L/R:

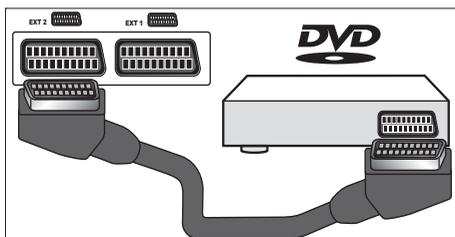
Y Pb Pr inputs video from component devices such as DVD players, digital receivers and game consoles. **AUDIO IN L/R** inputs analog audio from **Y Pb Pr** component devices.

**Note**

- 22" models only: **AUDIO IN L/R** is a shared connector. You cannot input audio from **VIDEO (EXT 2)** when **Y Pb Pr (EXT 3)** is in use.

SCART (EXT 1/EXT 2):

Input video/audio from SCART devices such as DVD players, VCRs and digital receivers.

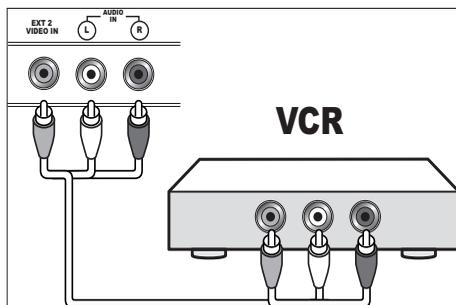
**Note**

- If connecting a SCART digital channel decoder, you must assign the decoder (see 'Assign a channel decoder' on page 32).

VIDEO IN (EXT 2) and AUDIO IN L/R:**Note**

- **VIDEO IN** is a bottom **EXT 2** connector on 22" models.

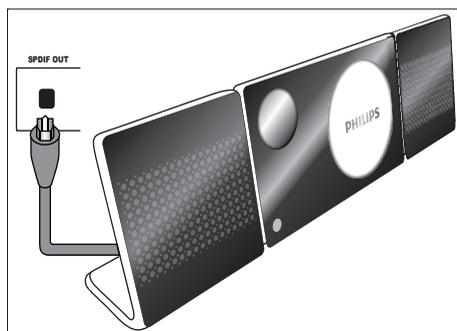
VIDEO IN inputs analog video from composite devices such as VCRs. **AUDIO IN L/R** inputs analog audio from **VIDEO IN** composite devices.

**Note**

- 22" models only: **AUDIO IN L/R** is a shared connector. You cannot input audio from **Y Pb Pr (EXT 3)** when **VIDEO IN (EXT 2)** is in use.

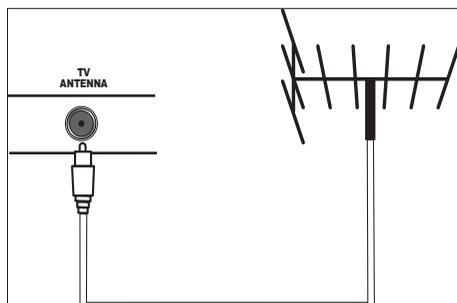
SPDIF OUT(Optical):

Output TV audio to home theatres and other digital audio systems.

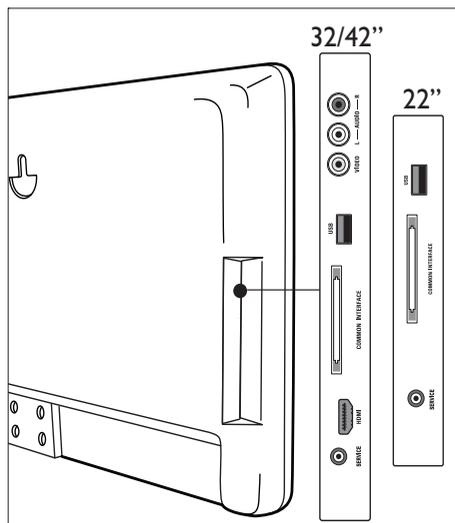


TV ANTENNA:

Input signals from aerials.



Side connectors

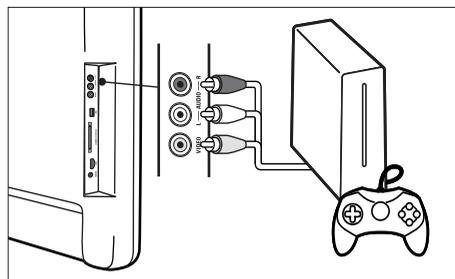


VIDEO and AUDIO L/R:

Note

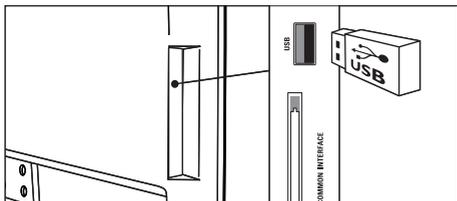
- VIDEO and AUDIO L/R are side connectors on 32/42" models only.

VIDEO inputs analog video from composite devices such as game consoles. AUDIO IN L/R inputs analog audio from VIDEO IN composite devices.



USB:

USB connector for USB storage devices (see 'View photos and play music from a USB storage device' on page 21).



COMMON INTERFACE:

Slot for a Conditional Access Module (CAM)
(see 'Use a Conditional Access Module' on page 31).

Connect a computer

Before connecting a computer to the TV

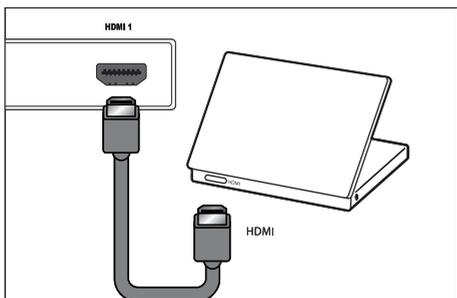
- Set the monitor refresh rate on your computer to 60Hz.
- Press **Picture format** and change the TV picture format to **[Unscaled]**.

Connect a computer with one of the following connectors:

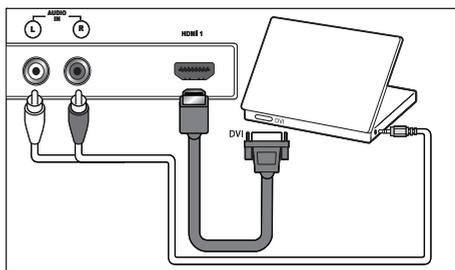
Note

- Connections via DVI require an additional audio cable to connect the shared **AUDIO IN L/R** connector to a computer: Note that you cannot input audio from **Y Pb Pr (32/42")** or **VIDEO (22")** when **AUDIO IN L/R** is connected to a computer.

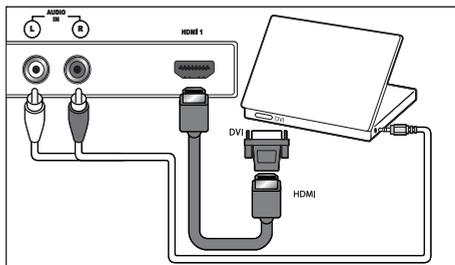
- **HDMI cable**



- **DVI-HDMI cable**



- **HDMI cable and HDMI-DVI adaptor**



Assign the AUDIO IN L/R connector

If you connect audio from a computer to the **AUDIO IN L/R** connector at the back of the TV, you must associate it to the HDMI connector:

- 1 Press **MENU** on the remote control and select **TV menu > Installation > Connections > Audio In L/R**.
- 2 Press **▶** to enter the list.
- 3 Press **▲** or **▼** to select the HDMI connector used by the PC.
- 4 Press **MENU** to exit.

Use a Conditional Access Module

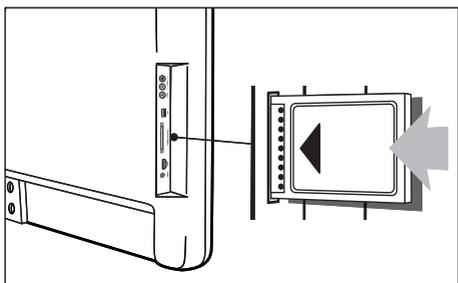
A Conditional Access Module (CAM) is provided by digital TV service operators to decode digital TV channels.

Insert and activate a CAM

Caution

- Be sure to follow the instructions described below. Wrong insertion of a CAM may damage both the CAM and your TV.

- 1 Switch off the TV.
- 2 Following the directions printed on the CAM, gently insert the CAM into the **COMMON INTERFACE** at the side of the TV.



- 3 Push the CAM in as far as it will go.
- 4 Turn on the TV and wait for the CAM to be activated. This may take several minutes. Do not remove the CAM from the slot when in use — removing the CAM will deactivate digital services.

Access CAM services

- 1 After inserting and activating the CAM, press **MENU**.
- 2 Select **[TV menu] > [Features] > [Common interface]**.
↳ On-screen applications and content provided by the digital TV service operator appear.

Assign devices

After connecting devices, assign the device attached to each connector. This allows you to easily identify devices connected to your TV.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Connections]**.
↳ The **[Connections]** list appears.

Connections	EXT 1
EXT 1	None
EXT 2	DVD
EXT 3	Blu-ray
HDMI 1	HDD/DVDR
HDMI 2	HD rec.
HDMI Side	Game
Side	VCR

- 3 Press **▶** to enter the list.
- 4 Press **▼** or **▲** to select a connector.
- 5 Press **▶** to enter the list.
- 6 Press **▼** or **▲** to select the device attached to the connector.
- 7 Press **OK** to select the device.
- 8 Repeat the procedure until all devices are correctly assigned to connectors.
- 9 Press **MENU** to exit.

Assign a channel decoder

Before using a SCART digital channel decoder, select the channel to decode and assign the decoder to **EXT**, **EXT 1** or **EXT 2**.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Decoder] > [Channel]**.
- 3 Press **▶** to enter the list.
- 4 Press **▲** or **▼** to select the channel to decode.
- 5 Press **◀**.
- 6 Select **[Status]**.
- 7 Press **▲** or **▼** to select the connector used by the decoder.
- 8 Press **MENU** to exit.

Use Philips EasyLink

Your TV supports Philips EasyLink, which enables one-touch play and one-touch standby between EasyLink-compliant devices.

Note

- Compliant devices must be connected to your TV via HDMI.

Enable or disable EasyLink

Note

- Do not enable EasyLink if you do not intend to use it.

- Press **MENU**.
- Select **[TV menu] > [Installation] > [Preferences] > [EasyLink]**.
- Select **[On]** or **[Off]**.

Use one-touch play

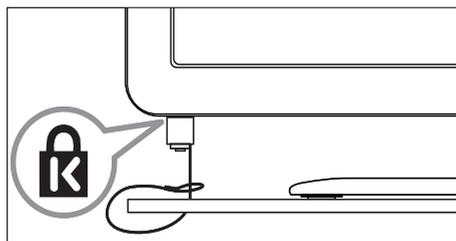
- After enabling EasyLink, press play on your device.
 - ↳ The TV automatically switches to the correct source.

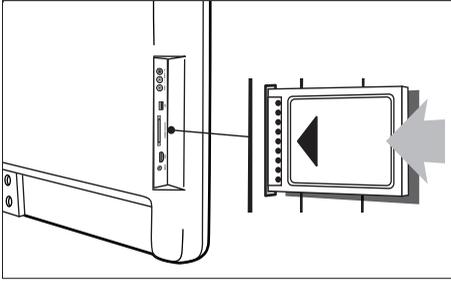
Use one-touch standby

- Press and hold **⏻ Standby** on the TV's or device's remote control for at least three seconds.
 - ↳ The TV and all connected HDMI devices switch to standby.

Connect a Kensington lock

There is a Kensington security slot under the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.





- 3 Push the CAM in as far as it will go.
- 4 Turn on the TV and wait for the CAM to be activated. This may take several minutes. Do not remove the CAM from the slot when in use — removing the CAM will deactivate digital services.

Access CAM services

- 1 After inserting and activating the CAM, press **MENU**.
- 2 Select **[TV menu] > [Features] > [Common interface]**.
 - ↳ On-screen applications and content provided by the digital TV service operator appear.

Assign devices

After connecting devices, assign the device attached to each connector. This allows you to easily identify devices connected to your TV.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Connections]**.
 - ↳ The **[Connections]** list appears.

Connections	EXT 1
EXT 1	None
EXT 2	DVD
EXT 3	Blu-ray
HDMI 1	HDD/DVDR
HDMI 2	HD rec.
HDMI Side	Game
Side	VCR

- 3 Press **▶** to enter the list.
- 4 Press **▼** or **▲** to select a connector.
- 5 Press **▶** to enter the list.
- 6 Press **▼** or **▲** to select the device attached to the connector.
- 7 Press **OK** to select the device.
- 8 Repeat the procedure until all devices are correctly assigned to connectors.
- 9 Press **MENU** to exit.

Assign a channel decoder

Before using a SCART digital channel decoder, select the channel to decode and assign the decoder to **EXT**, **EXT 1** or **EXT 2**.

- 1 Press **MENU**.
- 2 Select **[TV menu] > [Installation] > [Decoder] > [Channel]**.
- 3 Press **▶** to enter the list.
- 4 Press **▲** or **▼** to select the channel to decode.
- 5 Press **◀**.
- 6 Select **[Status]**.
- 7 Press **▲** or **▼** to select the connector used by the decoder.
- 8 Press **MENU** to exit.

Use Philips EasyLink

Your TV supports Philips EasyLink, which enables one-touch play and one-touch standby between EasyLink-compliant devices.

Note

- Compliant devices must be connected to your TV via HDMI.

Enable or disable EasyLink

Note

- Do not enable EasyLink if you do not intend to use it.

- Press **MENU**.
- Select **[TV menu] > [Installation] > [Preferences] > [EasyLink]**.
- Select **[On]** or **[Off]**.

Use one-touch play

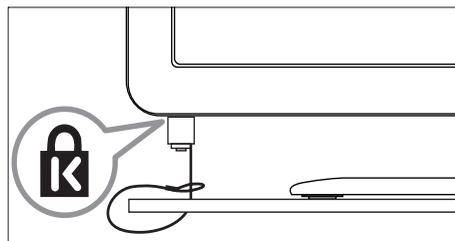
- After enabling EasyLink, press play on your device.
 - ↳ The TV automatically switches to the correct source.

Use one-touch standby

- Press and hold **⏻ Standby** on the TV's or device's remote control for at least three seconds.
 - ↳ The TV and all connected HDMI devices switch to standby.

Connect a Kensington lock

There is a Kensington security slot under the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.



8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/flavors.

Supported display resolutions

Computer formats

- Resolution - refresh rate:
 - 640 × 480 - 60Hz
 - 800 × 600 - 60Hz
 - 1024 × 768 - 60Hz
 - 1920 × 1080i - 60Hz
 - 1920 × 1080p - 60Hz

Video formats

- Resolution - refresh rate:
 - 480i - 60Hz
 - 480p - 60Hz
 - 576i - 50Hz
 - 576p - 50Hz
 - 720p - 50Hz, 60Hz
 - 1080i - 50Hz, 60Hz
 - 1080p - 24Hz, 25Hz, 30Hz
 - 1080p - 50Hz, 60Hz

Tuner/Reception/Transmission

- Aerial input: 75ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video playback: NTSC, SECAM, PAL
- DVB Terrestrial (see listed countries on the back of the TV)

Multimedia

- Connection: USB
- Playback formats: MP3, Linear PCM, slide show (.alb), JPEG

Remote control

- Type: RCPF06E08W
- Batteries: 2 × AAA (LR03 type)

Power

- Mains power: AC 220-240V (+/- 10%)
- Ambient temperature: 5 to 35 degrees Celsius

Supported wall mounts

To wall mount the TV, purchase the corresponding TV Wall Mount listed in the table below. The TVs are not designed to be mounted on any other type of wall mount.

TV	TV Wall Mount
22PFL6403D*	22FWF1013/00
32PFL6403D	32FWF1013/00
42PFL6403D	42FWF1013/00

* Also compatible with VESA wall mounts.

9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

- Unplug the power cord from the power outlet. Wait for one minute and plug it in again.
- Verify that the power cord is properly connected and that the power outlet is properly powered.

The remote control is not working properly:

- Verify that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

- Turn off the TV and unplug the power cord. Wait until the TV cools down before reinserting the power cord and turning on the TV. If the blinking occurs again, contact Philips Customer Support.

You forgot your code to unlock the child lock feature

- Enter '8888'.

The TV menu is in the wrong language

- Change the TV menu to your preferred language.

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:

- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools and warms up. This does not impact performance.

TV channel issues

Previously installed channels do not appear in the channel list:

- Verify that the correct list is selected.
- The channel may have been uninstalled to the **[Rearrange]** menu. To access the menu, press **MENU** on the remote control and select **[TV menu] > [Installation] > [Channel installation] > [Rearrange]**.

No digital channels were found during the installation:

- Verify if the TV supports DVB-T in your country. See the listed countries on the back of the TV.

Picture issues

The TV is on, but there is no picture:

- Verify if the aerial is connected properly.
- Verify if the correct device is selected.

There is sound but no picture:

- Verify that picture settings are correctly set.

You receive poor TV reception from an aerial connection:

- Verify that the aerial is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings or mountains can influence the picture quality. Try to improve the reception quality by changing the aerial direction or moving devices away from the TV.
- Verify if the correct TV system is selected for your region.
- If reception on only one channel is poor, try to fine-tune this channel.

You receive poor picture quality from connected devices:

- Verify that the devices are connected properly. Also, be sure to assign devices to connectors.
- Verify that picture settings are correctly set.

The TV did not save my settings:

- Verify that the TV is set to **[Home]** mode, which offers you complete flexibility to change settings.

The picture does not fit the screen, it is too big or too small:

- Try using a different picture format.
- Assign your device to connectors.

The picture position on-screen is not correct:

- Picture signals from some devices do not fit the screen correctly. Check the signal output of the device.

When applying a menu theme, a message appears informing you that the TV memory is full

- Not more than six menu themes can be stored on the TV at one time. You are prompted to delete a theme if you attempt to store more than six themes.

When applying a menu theme, a message appears informing you that the theme cannot be applied:

- There may have been an error when the file was downloaded. Download the file again and reapply the theme.

[mount] setting should be used for TVs mounted on walls.

- **[Equalizer]** settings are suitable for your environment.
- **[Stereo]** is enabled.

HDMI connection issues

You encounter problems with HDMI devices

- HDCP support can delay the time taken for a TV to display content from a device.
- If the TV does not recognise the device and no picture is displayed, try switching from one device to another and back again to restart.
- If you experience intermittent sound disruptions, check the user manual of the HDMI device to verify that output settings are correct. Alternatively, try connecting the audio signal from the HDMI device to the TV via **AUDIO IN L/R**.
- If a HDMI-to-DVI adaptor or HDMI to DVI cable is used, check that an additional audio cable is connected to **AUDIO IN L/R**.

Sound issues

There is a picture but sound quality is poor:

Note

- If no audio signal is detected, the TV automatically switches off audio output and does not indicate malfunction.

Verify that:

- All cables are properly connected.
- The volume is not set to 0.
- The sound is not muted.

There is picture but sound quality is poor:

In **[Sound]** settings, verify that:

- **[Position]** is correct for where your TV is positioned. The **[Table-top]** setting should be used for TVs mounted on stands. The **[Wall**

USB connection issues

The USB device content is not displayed:

- Set your device to 'Mass Storage Class' compliant, as described in your device documentation.
- Your USB storage device may not be compatible with the TV.
- Not all audio and picture files are supported.

Audio and picture files do not play or display smoothly

- The transfer performance of the USB storage device may limit the transfer rate.

Computer connection issues

The computer display on my TV is not stable or is not synchronized:

- Verify that a supported resolution and refresh rate is selected on your computer.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/flavors.

If the problem remains unresolved, contact Philips Customer Support in your country as listed in this User Manual.



Warning

- Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.



Note

- Please have available your TV model and serial number before contacting Philips. These numbers are available on the right side of the TV and on the packaging.

10 Index

A	
Active Control	13
Analogue channel	
fine tune	25
Audio language	14
Audio position	14
Auto surround	14
Auto volume levelling	14
<hr/>	
B	
Brightness	13
<hr/>	
C	
Channel decoder	32
Channel list	
troubleshooting	35
update	26
Channels	
favourite list	16
install	
automatic	24
manual	25
rearrange	26
reinstall	26
rename	26
test reception	27
uninstall	26
Child lock	
change code	19
lock channels or devices	19
lock programmes	19
Clock	
disable	21
enable	20
Colour enhancement	13
Composite	
bottom	28
side	30
Computer	
connection	31
Computer format	
technical specifications	34
Conditional Access Module	
access	32
insert	31
Connections	
assign	32
bottom	28
side	30
Contrast	13
<hr/>	
D	
Delta volume	14
Demo	23
Digital channel	
subtitle language	20
test reception	27
troubleshooting	35
Digital radio	22
Digital services	
CAM	32
teletext	16
Display resolution	34
Dual sound	14
Dynamic contrast	13
<hr/>	
E	
Electronic Programme Guide	17
Equalizer	14
<hr/>	
F	
Factory settings	23
<hr/>	
H	
HDMI	
bottom	28
side	30
Home mode	23
Hue	13
<hr/>	
I	
Installation	
automatic	24
manual	25

K		
Kensington lock		33
M		
Menu		
child lock		19
language		24
main menu		10
quick access menu		10
teletext		15
themes		11
Mono/Stereo		14
Multimedia		
technical specifications		34
Music		
digital radio		22
USB		22
with slideshow		22
N		
Noise reduction		13
O		
One-touch play		33
One-touch standby		33
P		
Parental control		
child lock		19
parental ratings		19
Philips EasyLink		
disable		33
enable		33
one-touch play		33
one-touch standby		33
Picture format		
change	13, 6	
troubleshooting		35
Picture format		13
Picture settings		
adjust		13
Product information		34
R		
Reception		
troubleshooting		35
Recycling		5
Remote control		
overview		6
specifications		34
troubleshooting		35
S		
SCART		
bottom		28
Settings assistant		12
Sharpness		13
Shop mode		23
Sleep timer		18
Slideshow		
with music		22
Smart settings		12
Software		
update		
analogue		23
version		23
Sound settings		
adjust		14
SPDIF		
bottom		28
Standby		8
Subtitles		
language		20
on analogue channel		20
on digital channel		20
Surround mode		14
T		
Teletext		
digital text services		16
dual screen		15
enlarge pages		15
menu		15
search		15
subpages		15
Table of Pages		15
Teletext 2.5		16
Themes		11

Timer	
on timer	18
sleep timer	18
Tint	13
Transmission	
troubleshooting	35
Troubleshooting	35
TV	
adjust volume	9
as computer monitor	31
connections	28
controls	6
location	23
menu	10
remote control	6
safety	4
screen care	5
software	23
standby	8
switch channels	8
switch off	8
switch on	8
troubleshooting	35

U

USB

connection	21
listen to music	22
view photos	21

V

Video format

display resolutions	34
---------------------	----

Volume

adjust	9
automatic levelling	14
delta	14
mute	9

Y

YPbPr

bottom	28
--------	----



© 2008 Koninklijke Philips Electronics N.V.
All rights reserved.
Document order number: 3139 125 40722

